

IN THE CLAIMS:

Please rewrite claim 6 as follows:

1. (currently and previously amended) A [reactor] plate for the catalytic production of aromatic carbonates, comprising:

a substrate [with] comprising an array of reaction cells; and

a permeable polycarbonate film covering at least one cell to selectively permit transport of a reactant gas into the at least one cell while preventing transport of a reaction product out of the at least one cell ;

wherein the permeable polycarbonate film selectively admits transport of oxygen and carbon monoxide and prohibits transport of a diaryl carbonate; and

wherein the at least one cell is formed from a polycarbonate substrate with two opposing walls comprising permeable polycarbonate film.

2. (currently and previously amended) The [reactor] plate of claim 1, wherein the permeable polycarbonate film is characterized by a diffusion coefficient of 5×10^{-10} to 5×10^{-7} cc(STP)-mm/cm²-sec-cmHg.

3. (currently and previously amended) The [reactor] plate of claim 1, wherein the permeable polycarbonate film is characterized by a diffusion coefficient of 1×10^{-9} to 1×10^{-7} cc(STP)-mm/cm²-sec-cmHg.

4. (currently and previously amended) The [reactor] plate of claim 1, wherein the permeable polycarbonate film is characterized by a diffusion coefficient of 2×10^{-8} to 2×10^{-6} cc(STP)-mm/cm²-sec-cmHg.

5. (currently and previously amended) The [reactor] plate of claim 1, wherein the permeable polycarbonate film is .0002 to .05 mm thick.

6. (currently and previously amended) The [reactor] plate of claim 1, wherein the permeable polycarbonate film is .005 to [04] .04 mm thick.

D₂
cont. Sub
E1

7. (currently and previously amended) The [reactor] plate of claim 1,
wherein the permeable polycarbonate film is .01 to .025 mm thick.

8. (cancelled)

9. (cancelled)

D₃
Sub
E1

10. (currently and previously amended) The [reactor] plate of claim 1,
wherein the permeable polycarbonate film is a monofilm, coextrusion, composite or
laminate.

11. (cancelled)

12. (cancelled)

13. (cancelled)

14. (cancelled)

15. (cancelled)

D₄
Sub
E1

- 16 (currently amended). The [reactor] plate of claim 1, wherein the at least
one cell is a concave bottomed cell with permeable film cover.

17. (cancelled)

18. (cancelled)

19. (cancelled)

20. (cancelled)

21. (cancelled)

22. (cancelled)

23. (cancelled)

24. (cancelled)

25. (cancelled)

26. (cancelled)

27. (cancelled)

28. (cancelled)

29. (cancelled)

30. (cancelled)

31. (cancelled)

32. (cancelled)

33. (cancelled)

34. (cancelled)

35. (cancelled)

36. (cancelled)